## ISSUE SLIP STAPLE AREA (for additional cross references)

POSITION INITIALS ID NO.

FEE DETERMINATION

O.I.P.E. CLASSIFIER
FORMALITY REVIEW

RESPONSE FORMALITY REVIEW

8

## **INDEX OF CLAIMS**

| V | Rejected                   | N N | lon-elected |
|---|----------------------------|-----|-------------|
|   | Allowed                    | 1h  |             |
|   | (Through numeral) Canceled | ΑΑ  |             |
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| •        | Clair      | n       |                   | _  | _        |              | Da        | ate          |              |           |              | —         |
|          | 1          | - T     | 3                 | 819.<br>19.  |          | T            | T         | T            | Т            | T         | 1            | T         |
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|          |            |         | V                 | V  |          | L            |           | L            |              |           |              |           |
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|          |            | 4<br>5  | H                 | +  |          | -            | H         | -            | +            | ╀         | +            | Н         |
|          |            | 6       | H                 | H  | -        | -            | ┝         | ╀            | ╁            | +         | +            | Н         |
|          | - 1 7      | _       | Н                 | Н  |          | -            | -         | ╁╴           | +            | +         | ╁            | Н         |
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| ļ        | 12         | 1       | $\perp$           | 11   |          |              |           |              |              |           |              |           |
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| }        | 15         |         | H                 | ₩  | $\dashv$ | -            | -         | _            | ├_           | ļ.,       | $\vdash$     | _         |
|          | 17         | -       | Н                 | ${\mathbb H}$  | $\dashv$ | -            | $\dashv$  | _            |              | -         | $\vdash$     | $\dashv$  |
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| İ        | 19         | +-+     | $\dagger$         | H  | +        | 7            | -         | _            | -            | -         | $\vdash$     | $\dashv$  |
| İ        | 20         | 11      | $\dagger$         | $\dagger \dagger$  | +        | 7            | $\exists$ |              | _            | -         |              | $\dashv$  |
| r        | 21         | Ħ       | +                 | ††   | +        | $\dashv$     | +         | _            | -            |           |              | $\dashv$  |
|          | 22         | 1       | T                 | $\Pi$  | $\top$   | 7            | 7         |              |              |           |              | $\dashv$  |
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| L        | 25         | Ц       | 4                 | Щ  | $\perp$  | 4            | 4         | 4            |              |           |              |           |
| -        | 26         | 4       | +                 | #  | 4        | 4            | 4         | _            | 4            | _         | _            | _         |
| $\vdash$ | 27<br>28   | 4       | $\mathcal{H}$     | 4  | +        | +            | +         | 4            |              |           | 4            | 4         |
| -        | 29         | +       | H                 | +  | ╁        | -            | +         | +            | -            | -         | +            | -         |
| -        |            | +       | Н                 | +  | +        | ╁            | +         | +            | -            | -         | +            | -         |
| ١,       | 30         | 7       | $\dagger \dagger$ | +  | +        | +            | +         | +            | $\dashv$     | $\dashv$  | +            | -         |
| f        | 32         | T       | П                 | T  | †        | +            | +         | +            | +            | $\dashv$  | +            | -         |
|          | 33         | T       | П                 |  | T        | 1            | 1         | 7            | $\forall$    | 7         | +            | 7         |
|          | 34         | I       | Ц                 |  | Ι        | I            |           |              |              |           |              | 7         |
| L        | 35         | 1       | L                 | L  | 1        | 4.           | $\perp$   |              |              | $\Box$    |              | ]         |
| L        | 36         | 1       |                   | $\!$ | $\perp$  | $\perp$      | _         | 4            | _            | 4         | 4            | _         |
| -        | 37         | ╀       | L                 | -  | $\perp$  | ╁            | +         | 4            | +            | 4         | 4            | 4         |
| ⊢        | 39         | ┞       | $\vdash$          | ┡  | ╁        | +-           | ╁         | +            | -            | +         | +            | 4         |
| -        | 40         | H       | H                 | $\vdash$   | ╁╴       | ╁            | ╁         | +            | +            | +         | +            | -         |
| 一        | 41         | ۲       |                   | -  | ╁        | ╁            | +         | +            | +            | +         | +            | ┨         |
| $\vdash$ | 42         | H       |                   | -  | ╁        | ╁            | +-        | +            | +            | +         | - -          | -         |
|          | 43         | Ħ       |                   | +-   | 1-       | +-           | +         | +            | +            | +         | +            | ┨         |
| Τ        | 44         | 11      | 7                 |  | $\vdash$ | †            | +         | +            | +            | +         | +            | 1         |
|          | 45         | Ц       | ╛                 |  |          | T            | 1         | $^{\dagger}$ | +            | +         | $\top$       | 1         |
|          | 46         | $\prod$ | 1                 |  |          |              | I         | I            | $\top$       | $\dagger$ | 1            | 1         |
|          | 47         | Ц       | 1                 |  | 匚        | L            | L         | I            | Ι            | T         | I            | ]         |
|          | 48         | Ц       | $\perp$           |  | L        | 1_           |           | $\perp$      | Ţ            | I         | $oxed{\Box}$ | ]         |
|          | 49<br>50 V | 4       | 4                 |  | <u> </u> | <del> </del> |           | $\perp$      | 4            | 4         | +            | -         |
|          | DU         | 4       | V)                |  | L        | L            | _         | 1_           | ⊥_           | L         |              | J         |

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| 1    | Cla      | aim        | T                 |               | _          |          | Da        |          |                    |                    |                 |
|      | Final    |            | 350               | 8<br>14<br>04 |            |          |           |          |                    |                    |                 |
|      |          | 51         | V                 | V             |            |          |           |          |                    |                    |                 |
|      |          | 52         | 1                 | Ц             |            |          |           |          |                    |                    |                 |
| ļ    |          | 53         | Ц                 | Ш             |            |          | L         |          |                    |                    |                 |
| -    | _        | 54         | 4                 | Ш             | _          | L_       | <u> </u>  |          | <u> </u>           |                    |                 |
| -    | -        | 55<br>56   | +                 | $\square$     | _          |          | _         | -        | <u> </u>           |                    |                 |
| }    | -        | 50<br>67   | Ж                 | +             |            |          | _         | -        | -                  | $\vdash$           |                 |
| ŀ    | 7        | 58         | Ή                 | H             |            | _        |           | ┝        |                    |                    | +               |
| t    | 7        | 59         | Н                 | H             | -          | -        | -         |          |                    |                    | +               |
| r    | 7        | 60         | 11                | 11            | $\exists$  | ٦        |           |          |                    | 1                  |                 |
|      |          | 61         | П                 | П             |            |          |           |          |                    | $\dashv$           | $\top$          |
| L    |          | 62         | П                 | $\Box$        |            | _        |           |          |                    |                    |                 |
| L    | -        | 63         | Ц                 | Ц             |            |          |           |          |                    |                    |                 |
| L    | _        | 64         | Ц                 | $\sqcup$      | 4          | 4        | _         |          |                    | _                  | $\perp$         |
| F    | -+       | 65         | Н                 | $\vdash$      | 4          | 4        |           | _        | _                  | _                  |                 |
| ŀ    | _        | 66  <br>67 | Н                 | $\dashv$      | +          | -        |           | $\dashv$ | -+                 |                    | -               |
| H    |          | 3          | H                 | $\vdash$      | +          | $\dashv$ | $\dashv$  | -+       |                    | $\dashv$           |                 |
| H    |          | 39         | $\dagger\dagger$  | H             | +          | +        | $\exists$ |          | -                  | +                  | +               |
| r    |          | 70         | $\dagger\dagger$  | 11            | +          | 十        | 7         | +        | $\dashv$           | +                  | +               |
| r    |          | 71         | $\dagger \dagger$ | ${\parallel}$ | +          | T        | 7         | +        | +                  | $\dashv$           | +-              |
| Г    | _        | 2          | 11                | $\parallel$   |            | 1        | 7         | 1        | $\dashv$           | 十                  | 十               |
|      | 7        | 73         | П                 |               |            | T        | 7         | 7        | 7                  | 7                  | 十               |
| L    | _        | 4          | Ц                 | Ш             |            | $\perp$  |           |          |                    |                    |                 |
| _    |          | 5          | #                 | #             | 4          | 4        | 1         |          |                    | 1                  | L               |
| -    | _        | 6<br>7     | #                 | ₩             | +          |          | 4         | $\dashv$ | +                  |                    | 4               |
|      | 7        | -          | H                 | #             | +          | +        | +         | +        |                    | +                  | +               |
|      | 7        |            | ╫                 | +             | ╁          | +        | +         | +        | +                  | +                  | +-              |
|      | 8        |            | ╫╴                | #             | ┿          | +        | +         | +        | +                  | ╁                  | ┿               |
|      | 8        |            | #                 |               | †          | +        | +         | 十        | +                  | +                  | +               |
|      | 8        | 2          |                   | _             | T          | T        | 7         | 1        | $\top$             |                    | 1               |
|      | 8        |            |                   |               | I          | I        |           |          |                    |                    |                 |
|      | 84       |            | Ц                 |               | 1          | $\perp$  | $\perp$   | $\perp$  |                    |                    |                 |
|      | 8        |            | Ш                 | +             | 4          | 4-       | 4         | 1        | _ _                |                    | $\perp$         |
|      | 87       |            | +                 | +-            | +          | +        | +-        | -        | +                  | $\perp$            | +               |
|      | 88       |            | +                 | +-            | +-         | +        | ╁         | -        | +                  | ╀                  | +               |
|      | ΩC       | ,          | H                 | ╁╴            | ╁          | ╁        | +         | +        | ┰                  | ╁                  | +               |
| (    | 90       | 別          |                   | t             | 1          | +        | +         | ╁        | +-                 | 十                  | $\vdash \vdash$ |
| abla | 9        |            | 1                 | T             | $\vdash$   | +        | +         | +        | +                  | ╁                  | ${}^{+}$        |
| _    | 92       | 1          | 1                 | 1             | $\vdash$   | $\top$   | +         | †        | +                  | 十                  | $\forall$       |
|      | 93       | 7          | U)                | Γ             |            |          | T         | $\top$   | 1                  | +                  | $\Box$          |
| _    | 94       |            | 1                 | 1             |            |          | I         | Ι        | L                  | $oxed{\mathbb{T}}$ |                 |
| _    | 95       | ┿          | Ĺ                 | $\perp$       | ļ_         | L        | L         | L        | $oldsymbol{\perp}$ | Ţ                  |                 |
| _    | 96       |            | -                 | ↓_            | L          | $\perp$  | ↓_        | L        | 1                  | ļ                  |                 |
| 4    | 97<br>98 | $\vdash$   | <del> </del>      | 1             | <u> </u>   | ╄-       | $\perp$   | 1_       | $\perp$            | ↓_                 | Ш               |
| -    | 99       | -          | }−                | $\vdash$      | ├-         | $\vdash$ | $\vdash$  | +-       | -                  | ┼                  | $\vdash$        |
| -4   |          | <b>├</b>   | <b> </b>          | <b>!</b>      | <b>!</b> — | -        | <u> </u>  | 1_       |                    |                    | $\perp \perp$   |

| Cla           | im          |           | _ |         |    |   |   |   |   | Da       | te | _ |          |   |          | -         |   | - |
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| Final         | Original    |           |   |         |    |   |   |   |   |          |    |   |          |   |          |           | - |   |
| -             | 101         | -         | t |         | t  |   | t | - | t | -        | H  | 4 |          | + | -        | $\dagger$ | - | t |
|               | 102         |           | T |         | T  |   | r |   | T | _        | T  | 7 |          | † |          | †         | _ | t |
|               | 103         |           | T |         | Γ  |   | Г |   | T | _        | Γ  |   | _        | 1 |          | †         |   | t |
|               | 104         |           | L |         |    |   |   |   |   |          |    |   |          | † |          | t         |   | t |
|               | 105         |           | L | _       |    |   | L |   |   |          | L  |   |          | Ι |          | I         | _ | I |
|               | 106         |           | L | _       | L  |   | L | _ | L |          |    |   |          |   |          |           |   |   |
|               | 107         |           | L | 4       |    | _ | L |   | L | _        | L  | 4 | _        | 1 |          | ╀         |   | L |
| $\overline{}$ | 108         | _         | L | 4       |    | 4 |   | 4 |   | _        |    | 4 |          | 1 |          | 1         |   | L |
|               | 109<br>I 10 |           | H | 4       | _  | - | _ | - | _ | -        | _  | + |          | 1 | _        | 1         | _ | Ļ |
| _             | 111         |           | H | +       | -  | 4 | _ | - | _ | -{       |    | + | _        | ╀ |          | ╀         | _ | H |
| _             | 112         | _         | - | +       |    | 1 |   | 1 | _ | $\dashv$ |    | + |          | ╀ | _        | ╀         | - | L |
|               | 113         | $\exists$ | - | +       | _  | + | - | 1 |   | +        | _  | + |          | ł | -        | ╀         | - | - |
| $\rightarrow$ | 114         | ┪         | _ | +       | _  | † | _ | 1 | _ | +        |    | + |          | t | -        | ┝         | - | L |
|               | 15          |           | _ | 1       | _  | 1 |   | 7 |   | 1        | _  | t | _        | t |          | H         | _ | - |
| 1             | 16          | $\neg$    |   | 1       |    | Ť |   | 7 | _ | 1        |    | Ť |          | T |          | T         | 7 | - |
|               | 17          |           |   |         |    | 1 |   | 7 |   | 7        |    | Ť |          | T |          | T         | 7 |   |
| 1             | 18          |           |   | I       |    | I |   | I |   | Ī        |    | Ī | _        |   | ٦        |           |   |   |
| 1             | 19          |           |   | 1       |    | I |   |   |   | Ι        |    | Ι |          |   |          |           | 1 |   |
| 1:            | 20          |           |   |         |    | 1 |   |   |   | Ţ        |    | Γ |          |   | Į        |           | 1 |   |
|               | 21          |           |   | $\perp$ |    | I |   | Ι |   |          |    | I |          | Ĭ |          |           |   |   |
|               | 22          | 4         |   | 1       |    | L |   | 1 |   | 1        |    | L |          |   |          |           |   |   |
|               | 23          | 4         |   | ļ       |    | 1 | _ | 1 |   | ļ        |    | L |          |   | 1        |           |   |   |
|               | 24          | 4         |   | Ļ       |    | L | _ | 1 |   | ╀        | _  | L | _        |   | 1        | _         | 1 |   |
|               | 25          | +         |   | ╀       | _  | ╀ | _ | ╀ |   | ╀        |    | L | 4        | _ | 4        |           | 4 | _ |
| 12            | 26          | +         |   | ╀       | _  | H | _ | + | _ | ╀        | _  | L | 4        |   | +        | _         | + | _ |
| 12            |             | +         |   | ┞       | _  | - | _ | ╀ | _ | ┝        |    | H | -        | _ | +        | _         | Ŧ |   |
| 12            |             | +         | - | 1-      |    |   | _ | + |   | ╁        | -  | ┝ | +        | - | +        |           | + | _ |
| 13            |             | +         | _ | -       | _  | H | - | t |   | H        | _  | ┝ | +        |   | +        | _         | + | _ |
| 13            | -           | +         | _ | r       | -  | H | - | + | _ | H        |    | _ | +        | _ | +        | -         | ╁ |   |
| 13            |             | 1         |   | Г       | ٦  |   | _ | T |   | Т        |    | - | †        |   | †        | -         | t |   |
| 13            | 3           | 1         |   |         | ī  | _ | _ | Г |   | Г        |    |   | 1        | _ | †        | _         | t | - |
| 13            |             |           |   |         |    |   |   | Γ |   | Г        |    | _ | T        |   | 1        | _         | T | _ |
|               | 5           | $\perp$   |   |         |    |   |   | L |   |          |    |   | I        |   | T        |           |   |   |
| 13            |             | $\perp$   |   |         | _[ | _ | _ | L |   |          |    |   | I        |   |          | _         |   |   |
| 13            |             | 1         | 4 | _       | 4  |   | 4 | L | 4 |          | 4  |   | 1        |   | L        |           | L |   |
| 13            | _           | ╀         | 4 | _       | 4  |   | 4 | _ | 4 |          | 4  | _ | 1        | _ | L        | _         | L | _ |
| 13            |             | ╀         | 4 |         | +  |   | - |   | 4 |          | 4  |   | 1        | _ | H        | 4         | _ | _ |
| 14            | 1-          | ╁         | 4 |         | +  |   | 4 |   | 4 |          | 4  |   | ╀        |   | L        | 4         |   | _ |
| 14            | -           | ╀         | + |         | 4  |   | 4 | _ | 4 |          | +  |   | Ļ        |   | L        | 4         |   | _ |
| 14            |             | ╁         | + | -       | +  | _ | + | _ | + |          | +  |   | -        | H | $\vdash$ | 4         | _ | 4 |
| 144           |             | +         | + |         | +  |   | + |   | + |          | +  | - | ├        | - | -        | 4         | _ | 4 |
| 145           |             | H         | + | -       | +  | _ | + | _ | + | _        | +  |   | -        | - | ┞        | +         |   | 4 |
| 146           |             | $\vdash$  | + | -       | t  | _ | + | - | + |          | t  | _ | +        | + | _        | +         | - | 1 |
| 147           |             | 1-        | † | _       | t  |   | † | _ | t |          | t  | _ | $\vdash$ | 1 |          | +         |   | 1 |
| 148           |             | Τ         | † | _       | t  |   | t |   | † | -        | t  | _ | -        | + |          | +         | _ | 1 |
| 149           |             |           | İ | _       | İ  |   | 1 | _ | T |          | T  | _ |          | 7 | _        | †         |   | 1 |
| 150           |             |           | Ι |         | Γ  |   | I |   | Γ | _        | Γ  |   | _        | 1 |          | Ť         | _ | 1 |

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